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PATENT ABSTRACTS OF JAPAN(21) Application number: **06032068**(51) Intl. Cl.: **H01P 5/22**(22) Application date: **04.02.94**

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(54) HYBRID RING CIRCUIT

(57) Abstract:

PURPOSE: To obtain a hybrid ring circuit made up of a line having a width of one kind.

CONSTITUTION: A line 7(8) whose impedance is about Z_c and whose phase angle is nearly θ_2 is connected between terminals P1 and P2 (terminals P3 and P4) and a line 5(6) whose impedance is about Z_c and whose phase angle is nearly θ_1 is connected between the terminals P1 and P4 (terminals P2 and P34). The width of the four lines 5, 6, 7, 8 is all selected to be W. The phase angle θ_2 is equal to $(180^\circ - \theta_1)$, and then a total circulating phase angle of the hybrid ring circuit is 360° .

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